

Rating Conditions

20 °F Superheat
 15 F Subcooling
 95 °F Ambient Air Over

60 Hz Operation

AIR CONDITIONING

3DA3R10ME-TFD

COPELAMETIC® HCFC-22

DISCUS® COMPRESSOR

TFD 460-3-60

Condensing Temperature °F
 (Sat. Dew Pt. Pressure, psig) Evaporating Temperature °F (Sat. Dew Pt. Pressure, psig)

		10.0 (33)	20.0 (43)	25.0 (49)	30.0 (55)	35.0 (62)	40.0 (69)	45.0 (76)	50.0 (84)	55.0 (93)
140.0 (337)	C	59,500	77,500	87,500	98,500	110,000	123,000	137,000	151,000	167,000
	P	9,850	11,100	11,700	12,200	12,700	13,200	13,600	14,000	14,300
	A	15.5	17.0	17.8	18.5	19.2	19.8	20.4	20.9	21.3
	M	975	1,250	1,400	1,560	1,730	1,910	2,110	2,320	2,550
	E	6.0	7.0	7.5	8.1	8.7	9.3	10.1	10.8	11.7
	%	68.1	69.5	70.0	70.3	70.6	70.8	70.9	70.9	70.8
130.0 (297)	C	64,500	83,500	94,000	106,000	118,000	132,000	146,000	161,000	178,000
	P	9,450	10,500	11,000	11,400	11,800	12,200	12,500	12,800	13,000
	A	15.0	16.3	16.9	17.5	18.0	18.5	18.9	19.3	19.6
	M	1,000	1,270	1,430	1,590	1,760	1,950	2,150	2,360	2,580
	E	6.8	8.0	8.6	9.3	10.0	10.8	11.7	12.6	13.7
	%	68.2	69.6	70.1	70.4	70.7	70.8	70.8	70.7	70.5
120.0 (260)	C	70,000	90,000	101,000	113,000	126,000	140,000	156,000	172,000	189,000
	P	9,000	9,900	10,300	10,600	10,900	11,200	11,400	11,600	11,700
	A	14.5	15.6	16.1	16.5	16.9	17.2	17.5	17.7	17.8
	M	1,030	1,310	1,460	1,620	1,800	1,980	2,180	2,400	2,620
	E	7.7	9.1	9.8	10.6	11.5	12.5	13.6	14.8	16.2
	%	68.3	69.6	70.1	70.4	70.6	70.6	70.6	70.4	70.0
110.0 (226)	C	75,500	96,500	108,000	121,000	135,000	149,000	165,000	182,000	200,000
	P	8,550	9,250	9,550	9,800	10,000	10,200	10,300	10,300	10,300
	A	14.0	14.8	15.1	15.4	15.7	15.9	16.0	16.1	16.0
	M	1,060	1,340	1,490	1,660	1,830	2,020	2,220	2,440	2,660
	E	8.8	10.4	11.3	12.3	13.4	14.7	16.1	17.7	19.5
	%	68.2	69.5	69.9	70.2	70.3	70.2	70.0	69.6	69.0
100.0 (196)	C	81,000	103,000	116,000	129,000	143,000	159,000	175,000	193,000	212,000
	P	8,050	8,600	8,800	8,950	9,050	9,100	9,100	9,000	8,850
	A	13.3	13.9	14.1	14.3	14.4	14.5	14.5	14.4	14.2
	M	1,100	1,380	1,530	1,700	1,870	2,060	2,260	2,480	2,700
	E	10.0	12.0	13.1	14.4	15.8	17.4	19.3	21.4	23.9
	%	67.9	69.1	69.4	69.6	69.6	69.5	69.1	68.4	67.5
90.0 (168)	C	87,000	110,000	123,000	137,000	152,000	168,000	185,000	204,000	223,000
	P	7,550	7,900	8,000	8,050	8,050	7,950	7,800	7,600	7,350
	A	12.7	13.0	13.1	13.2	13.2	13.1	13.0	12.8	12.4
	M	1,130	1,410	1,570	1,730	1,910	2,100	2,300	2,520	2,740
	E	11.5	14.0	15.4	17.0	18.9	21.1	23.7	26.7	30.4
	%	67.3	68.4	68.7	68.7	68.6	68.2	67.5	66.5	65.0
80.0 (144)	C	93,000	117,000	130,000	145,000	160,000	177,000	195,000	214,000	235,000
	P	6,950	7,100	7,100	7,050	6,950	6,750	6,500	6,150	5,750
	A	12.0	12.1	12.1	12.1	11.9	11.7	11.5	11.1	10.7
	M	1,160	1,440	1,600	1,770	1,950	2,140	2,340	2,550	2,780
	E	13.3	16.4	18.3	20.5	23.1	26.2	30.0	34.7	40.7
	%	66.4	67.3	67.5	67.4	67.0	66.2	65.0	63.3	60.7
70.0 (121)	C	98,500	124,000	138,000	153,000	169,000	186,000	205,000	225,000	246,000
	P	6,300	6,250	6,150	6,000	5,750	5,450	5,100	4,640	4,110
	A	11.3	11.2	11.1	10.9	10.7	10.4	10.0	9.5	8.9
	M	1,190	1,480	1,630	1,800	1,980	2,170	2,370	2,590	2,820
	E	15.7	19.7	22.3	25.5	29.3	34.1	40.2	48.4	59.9
	%	65.2	65.8	65.7	65.3	64.5	63.1	60.9	57.6	52.4

C: Capacity (Btu/hr), P: Power (W), A: Current (Amps), M: Mass Flow (lb/hr), E: EER (Btu/Wh), %: Isentropic Efficiency (%)

Nominal Performance Values (±5%) based on 72 hours run-in. Subject to change without notice. Current @ 460 V